

ABSTRACT

The following are provided: a method for manufacturing artificial cartilages characterized in that undifferentiated mesenchymal cells are
5 cultured in a cartilage differentiation inducing medium, and the cells are irradiated with ultrasound, as a method in which chondrocytes can be obtained in a short time in an amount sufficient for performing the treatment of cartilage disorder with surgical operation when a conservative therapy such as limitation of movement exhibits no effect, among various
10 treatments of cartilage disorder; an artificial cartilage that has been produced by the method; and an apparatus for manufacturing artificial cartilages comprising a culture vessel containing cultured undifferentiated mesenchymal cells, an ultrasound transducer for applying ultrasound to the vessel, a control means for controlling the ultrasound, and a holding
15 water-tank for installing the ultrasound transducer and the culture vessel in the holding water-tank in such a state that they are in contact with each other.